

Storm Data and Unusual Weather Phenomena - July 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Northwest				
WASHINGTON COUNTY --- 0.5 WSW TONTITOWN [36.18, -94.24], 0.2 SSW TONTITOWN [36.18, -94.23], 0.4 S TONTITOWN [36.17, -94.23], 0.6 SW TONTITOWN [36.17, -94.24]				
	07/08/10 10:45 CST	0		Flash Flood (due to Heavy Rain)
	07/08/10 14:00 CST	0		Source: Public
Numerous roads and streets were temporarily under water and impassable in Tontitown due to heavy rainfall.				
WASHINGTON COUNTY --- 1.0 W SUMMERS [35.98, -94.50], 0.5 N SUMMERS [35.99, -94.48], 0.7 SSE SUMMERS [35.97, -94.47], 1.5 SW SUMMERS [35.97, -94.50]				
	07/08/10 12:30 CST	0		Flash Flood (due to Heavy Rain)
	07/08/10 17:15 CST	0		Source: Post Office
High water covered many rural roads. Mail delivery was not possible to some areas outside of Summers.				
Thunderstorms developed along a slow moving cold front that pushed into the region. Thunderstorms moving repeatedly over the same areas resulted in flash flooding across portions of northwest Arkansas.				
MADISON COUNTY --- 1.3 NW CLIFTY [36.24, -93.82], 0.9 ENE CLIFTY [36.24, -93.79], 0.6 ESE CLIFTY [36.23, -93.79], 0.9 W CLIFTY [36.23, -93.82]				
	07/12/10 22:00 CST	0		Flash Flood (due to Heavy Rain)
	07/13/10 02:45 CST	0		Source: Emergency Manager
Approximately four to five inches of rain resulted in road closures in and around Clifty.				
WASHINGTON COUNTY --- 0.6 WSW EFAY [36.08, -94.16], 0.1 SE EFAY [36.08, -94.15], 1.0 S EFAY [36.07, -94.15], 0.6 ESE FAYETTEVILLE [36.07, -94.16]				
	07/12/10 23:01 CST	0		Flash Flood (due to Heavy Rain)
	07/13/10 02:30 CST	0		Source: Trained Spotter
A spotter reported approximately six inches of water flowing swiftly over the northbound lanes of College Avenue.				
WASHINGTON COUNTY --- 0.3 NNE JOHNSON [36.13, -94.17], 0.6 ENE JOHNSON [36.13, -94.16], 0.6 E JOHNSON [36.13, -94.16], 0.1 ENE JOHNSON [36.13, -94.17]				
	07/13/10 00:03 CST	0		Flash Flood (due to Heavy Rain)
	07/13/10 02:30 CST	0		Source: Trained Spotter
A spotter reported low water crossings covered by four feet of water.				
WASHINGTON COUNTY --- 0.9 NW WEDINGTON [36.09, -94.43], 0.8 NNE WEDINGTON [36.09, -94.42], 0.3 ESE WEDINGTON [36.08, -94.42], 0.6 W WEDINGTON [36.08, -94.43]				
	07/13/10 01:00 CST	20K		Flash Flood (due to Heavy Rain)
	07/13/10 02:30 CST	0		Source: Emergency Manager
High water flooded a home near the intersection of Hainestring and Harmon in Wedington.				
WASHINGTON COUNTY --- 1.0 N FARMINGTON [36.04, -94.25], 1.7 NE FARMINGTON [36.05, -94.23], 1.3 ENE FARMINGTON [36.04, -94.23], 0.1 WNW FARMINGTON [36.03, -94.25]				
	07/13/10 01:30 CST	40K		Flash Flood (due to Heavy Rain)
	07/13/10 02:30 CST	0		Source: Emergency Manager
High water flooded an assisted living center, resulting in its evacuation.				
WASHINGTON COUNTY --- 1.4 WNW SPRINGDALE [36.19, -94.15], 1.3 NE (ASG)SPRINGDALE [36.19, -94.10], 1.3 SE SPRINGDALE MUNI ARPT [36.16, -94.10], 1.7 NNE JOHNSON [36.15, -94.16]				
	07/13/10 01:30 CST	0		Flash Flood (due to Heavy Rain)
	07/13/10 02:30 CST	0		Source: Emergency Manager
Several water rescues occurred due to flooding in town.				

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WASHINGTON COUNTY --- FAYETTEVILLE [36.07, -94.17], 0.6 SE EFAY [36.07, -94.14], 1.6 S EFAY [36.06, -94.15], 0.9 S FAYETTEVILLE [36.06, -94.17]				
	07/13/10 01:30 CST		0	Flash Flood (due to Heavy Rain)
	07/13/10 02:30 CST		0	Source: Emergency Manager
Several water rescues occurred due to flooding in town.				
Thunderstorms occurred near a stationary front positioned along the Kansas-Oklahoma border into extreme southern Missouri. Some of these storms produced flash flooding across portions of northwest Arkansas.				
(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	07/13/10 00:00 CST		0	Excessive Heat
	07/23/10 21:00 CST		0	
A strong subtropical high pressure system developed and remained over the south central United States for a prolonged period during the middle of July. This resulted in an extended period of exceptionally hot weather. Temperatures were above normal with daytime readings reaching the mid 90s to near 100 and overnight temperatures only falling into the mid to upper 70s. Very humid conditions as a result of the excessive rainfall that occurred earlier in the month and subsequent highly saturated soils resulted in afternoon heat index values between 105 and 115 degrees.				
WASHINGTON COUNTY --- 2.0 N FARMINGTON [36.06, -94.25], 2.5 NNE FARMINGTON [36.06, -94.23], 2.0 NE FARMINGTON [36.05, -94.23], 1.4 N FARMINGTON [36.05, -94.25]				
	07/15/10 21:38 CST		10K	Flash Flood (due to Heavy Rain)
	07/16/10 00:45 CST		0	Source: Trained Spotter
Several cars stalled in high flood water.				
MADISON COUNTY --- 1.1 ESE HARTWELL [36.12, -93.78], 3.0 E HARTWELL [36.12, -93.75], 2.1 NNW HUNTSVILLE [36.11, -93.74], 1.7 SE HARTWELL [36.10, -93.78]				
	07/15/10 22:00 CST		0	Flash Flood (due to Heavy Rain)
	07/16/10 02:45 CST		0	Source: Public
Several secondary roads were flooded.				
WASHINGTON COUNTY --- 2.7 SSE WHEELER [36.08, -94.24], 2.2 NE EFAY [36.10, -94.12], 0.2 WSW BALDWIN [36.03, -94.12], 1.6 E FARMINGTON [36.03, -94.22]				
	07/15/10 22:00 CST		10K	Flash Flood (due to Heavy Rain)
	07/16/10 00:45 CST		0	Source: Trained Spotter
Numerous streets in town were flooded with cars stalled in the high water.				
WASHINGTON COUNTY --- JOHNSON [36.13, -94.17], 0.2 E JOHNSON [36.13, -94.17], 0.3 ESE JOHNSON [36.13, -94.17], 0.2 S JOHNSON [36.13, -94.17]				
	07/15/10 22:28 CST		5K	Flash Flood (due to Heavy Rain)
	07/16/10 00:45 CST		0	Source: Broadcast Media
A vehicle was submerged in flood waters just southwest of town.				
WASHINGTON COUNTY --- FARMINGTON [36.03, -94.25], 1.0 N FARMINGTON [36.04, -94.25], 1.7 NE FARMINGTON [36.05, -94.23], 1.0 E FARMINGTON [36.03, -94.23]				
	07/15/10 23:10 CST		0	Flash Flood (due to Heavy Rain)
	07/16/10 02:45 CST		0	Source: Law Enforcement
Several streets in town were completely covered by flood waters, resulting in some road closures.				
WASHINGTON COUNTY --- 1.5 NW FAYETTEVILLE [36.08, -94.19], 2.0 SW SPRING VLY [36.11, -94.10], 0.6 NE BALDWIN [36.03, -94.11], 2.7 NW (FYV)FAYETTEVILLE AR [36.03, -94.20]				
	07/15/10 23:30 CST		0	Flash Flood (due to Heavy Rain)
	07/16/10 02:45 CST		0	Source: Law Enforcement
Several streets were closed due to flooding.				
MADISON COUNTY --- 2.1 WNW JAPTON [35.97, -93.83], 1.9 NNE JAPTON [35.97, -93.79], 0.9 E JAPTON [35.95, -93.78], 1.3 W JAPTON [35.95, -93.82]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/16/10 01:00 CST		50K	Flash Flood (due to Heavy Rain)
	07/16/10 02:45 CST		0	Source: Post Office

Several rural roads were reported washed out due to flooding.

Thunderstorms produced flash flooding across portions of northwest Arkansas during the late evening hours on July 15th into the morning of the 16th as a cold front moved into the region.

FRANKLIN COUNTY --- 0.4 WSW CHARLESTON [35.30, -94.04]

07/25/10 17:20 CST	5K	Thunderstorm Wind (EG 61 kt)
07/25/10 17:20 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew down trees and power lines on Highway 22 in Charleston.

Thunderstorms developed near a weak frontal boundary across portions of west-central Arkansas, resulting in isolated wind damage.

(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

07/30/10 06:00 CST	0	Excessive Heat
07/31/10 23:59 CST	0	

A strong subtropical high pressure system reestablished itself over the south central United States toward the end of the July. This resulted in an extended period of exceptionally hot weather, which continued into August. Temperatures were above normal with daytime readings reaching the upper 90s to near 102 and overnight temperatures only falling into the mid to upper 70s. Very humid conditions resulted in afternoon heat index values between 105 and 115 degrees.

OKLAHOMA, Eastern

NOWATA COUNTY --- 2.0 ENE SOUTH COFFEYVILLE [36.99, -95.59]

07/06/10 06:15 CST	10K	Thunderstorm Wind (EG 56 kt)
07/06/10 06:15 CST	0	Source: Emergency Manager

Power lines were blown down and a barn collapsed at County Road 1 and 416 due to strong thunderstorm wind.

WASHINGTON COUNTY --- 1.0 NW BARTLESVILLE [36.76, -96.01], 2.0 ENE BARTLESVILLE [36.76, -95.97], 2.0 SE BARTLESVILLE [36.73, -95.97], 2.0 SW BARTLESVILLE [36.73, -96.03]

07/06/10 12:40 CST	0	Flash Flood (due to Heavy Rain)
07/06/10 16:45 CST	0	Source: Emergency Manager

Significant street flooding occurred in Bartlesville due to heavy rains.

NOWATA COUNTY --- 2.1 NE LENAPAH [36.87, -95.60], 3.9 ENE LENAPAH [36.87, -95.56], 3.7 NNE CHILDERS [36.82, -95.55], 2.5 SE LENAPAH [36.83, -95.60]

07/06/10 13:00 CST	0	Flash Flood (due to Heavy Rain)
07/06/10 16:45 CST	0	Source: Emergency Manager

Highway 10 and several rural roads were covered by high water.

OTTAWA COUNTY --- 1.0 NW MIAMI [36.89, -94.89], 1.0 NE MIAMI [36.89, -94.87], 1.0 SE MIAMI [36.87, -94.87], 1.0 SW MIAMI [36.87, -94.89]

07/06/10 13:25 CST	0	Flash Flood (due to Heavy Rain)
07/06/10 17:45 CST	0	Source: Emergency Manager

Approximately 2 inches of rain fell between 2 pm and 3 pm, resulting in flooding of city streets. Several streets were closed.

WASHINGTON COUNTY --- 1.0 NW BARTLESVILLE [36.76, -96.01], 2.0 ENE BARTLESVILLE [36.76, -95.97], 2.0 SE BARTLESVILLE [36.73, -95.97], 2.0 SW BARTLESVILLE [36.73, -96.03]

07/06/10 13:30 CST	50K	Flash Flood (due to Heavy Rain)
07/06/10 16:45 CST	0	Source: Emergency Manager

A couple of homes were flooded and two day care centers were evacuated due to high water from heavy rainfall.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WASHINGTON COUNTY --- 3.0 E BARTLESVILLE [36.75, -95.95], 4.0 SSE DEWEY [36.74, -95.91], 5.3 SE HI WAY ARPT [36.72, -95.91], 3.4 ESE BARTLESVILLE [36.73, -95.94]				
	07/06/10 13:30 CST		0	Flash Flood (due to Heavy Rain)
	07/06/10 16:45 CST		0	Source: Fire Department/Rescue
A portion of Highway 60 east of Bartlesville was closed due to high water.				
TULSA COUNTY --- 1.5 SSE BOZARTH [36.06, -96.01]				
	07/06/10 14:10 CST		0	Thunderstorm Wind (EG 52 kt)
	07/06/10 14:10 CST		0	Source: Public
Strong thunderstorm wind blew down large tree limbs near 71st Street South and Highway 75.				
MAYES COUNTY --- 2.1 WSW LANGLEY [36.46, -95.09], 1.8 SSE LANGLEY [36.44, -95.04], 1.1 NE SPAVINAW [36.39, -95.03], 2.0 WNW SPAVINAW [36.39, -95.08]				
	07/06/10 15:00 CST		0	Flash Flood (due to Heavy Rain)
	07/06/10 17:45 CST		0	Source: Emergency Manager
Heavy rains resulted in water covering rural roads between Spavinaw and Langley.				
TULSA COUNTY --- 1.6 NW TULSA R L JONES ARPT [36.05, -96.00], 1.4 NNW TULSA R L JONES ARPT [36.05, -95.99], 1.2 NNW TULSA R L JONES ARPT [36.05, -95.99], 1.4 NW TULSA R L JONES ARPT [36.05, -96.00]				
	07/06/10 15:00 CST		0	Flash Flood (due to Heavy Rain)
	07/06/10 18:30 CST		0	Source: Broadcast Media
A car was partially washed off the road at 81st Street South and South Elwood Avenue due to water rushing over roadway.				
PAWNEE COUNTY --- 0.2 NW PAWNEE [36.33, -96.80], 0.3 SSW PAWNEE [36.33, -96.80], 0.6 WSW PAWNEE [36.33, -96.81], 0.6 WNW PAWNEE [36.33, -96.81]				
	07/06/10 15:30 CST		0	Flash Flood (due to Heavy Rain)
	07/06/10 19:00 CST		0	Source: Public
Heavy rain flooded rural roads three to six miles south and southwest of Pawnee.				
Isolated strong winds and flooding conditions occurred across portions of northeast Oklahoma in conjunction with a weak stationary front and surface outflow boundaries.				
OTTAWA COUNTY --- 6.0 W COMMERCE [36.93, -94.98], 6.0 SW COMMERCE [36.87, -94.95], 4.0 SW COMMERCE [36.89, -94.92], 3.0 W COMMERCE [36.93, -94.92]				
	07/07/10 05:00 CST		0	Flood (due to Heavy Rain)
	07/11/10 10:00 CST		0	Source: Official NWS Observations
The Neosho River near Commerce rose above its flood stage of 15 feet at 6 a.m. CDT on July 7th. The river crested at 18.79 feet at 12 p.m. CDT on the 10th, resulting in moderate flooding. The river fell below flood stage at 11 a.m. CDT on the 11th.				
Thunderstorms that developed along a weak surface boundary moved repeatedly across the same areas, producing locally heavy rainfall across southeastern Kansas and northeastern Oklahoma. This rainfall resulted in moderate flooding along the Neosho River near Commerce.				
PITTSBURG COUNTY --- 0.5 WNW KIOWA [34.72, -95.91], 0.5 NE KIOWA [34.72, -95.89], 0.6 SE KIOWA [34.71, -95.89], 0.6 SW KIOWA [34.71, -95.91]				
	07/07/10 13:15 CST		0	Flash Flood (due to Heavy Rain)
	07/07/10 14:45 CST		0	Source: Law Enforcement
Heavy rainfall flooded streets in town and some roadways outside of town.				
PITTSBURG COUNTY --- 0.9 NW KIOWA [34.73, -95.91], 0.6 NE KIOWA [34.73, -95.89], 0.3 SE KIOWA [34.72, -95.90], 0.6 W KIOWA [34.72, -95.91]				
	07/07/10 15:10 CST		10K	Flood (due to Heavy Rain)
	07/07/10 18:30 CST		0	Source: Public
Heavy rain flooded streets in town and several rural roads were under water. A house in Kiowa was flooded.				
Isolated thunderstorms developed across portions of east-central and southeast Oklahoma in the vicinity of a weak frontal boundary. Localized flooding was observed with some of these storms.				

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PITTSBURG COUNTY --- 3.1 SW QUINTON [35.09, -95.41], 1.9 SSW QUINTON [35.10, -95.39], 3.8 SSW QUINTON [35.07, -95.39], 4.3 SSW QUINTON [35.07, -95.41]				
	07/08/10 13:30 CST		0	Flash Flood (due to Heavy Rain)
	07/08/10 18:30 CST		0	Source: Public
Basome Road southwest of Quinton was impassable due to high water over the roadway.				
TULSA COUNTY --- 1.6 NE JENKS [36.04, -95.95], 1.8 NE JENKS [36.04, -95.95], 1.7 NE JENKS [36.04, -95.95], 1.5 NE JENKS [36.04, -95.95]				
	07/08/10 15:00 CST		5K	Flash Flood (due to Heavy Rain)
	07/08/10 18:00 CST		0	Source: Trained Spotter
A car stalled in high water, resulting in a swift water rescue near 2500 East 87th Street.				
TULSA COUNTY --- 7.0 SSE TULSA [36.06, -95.90], 1.9 WNW BROKEN ARROW ARPK [36.06, -95.90], 1.4 NW BROKEN ARROW ARPK [36.06, -95.89], 1.4 WNW BROKEN ARROW ARPK [36.06, -95.89]				
	07/08/10 15:20 CST		5K	Flash Flood (due to Heavy Rain)
	07/08/10 18:00 CST		0	Source: Trained Spotter
A car stalled in high water, resulting in a swift water rescue.				
HASKELL COUNTY --- 3.1 S ENTERPRISE [35.18, -95.39], 3.0 S ENTERPRISE [35.18, -95.38], 3.2 S ENTERPRISE [35.17, -95.38], 3.2 S ENTERPRISE [35.17, -95.39]				
	07/08/10 15:30 CST		0	Flash Flood (due to Heavy Rain)
	07/08/10 17:45 CST		0	Source: Public
Water was reported five feet deep over Highway 71 at the Longtown Creek bridge south of Enterprise.				
TULSA COUNTY --- 2.9 WSW BROKEN ARROW ARPK [36.03, -95.92], 2.3 WSW BROKEN ARROW ARPK [36.03, -95.91], 2.5 SW BROKEN ARROW ARPK [36.03, -95.91], 3.0 WSW BROKEN ARROW ARPK [36.03, -95.92]				
	07/08/10 15:55 CST		0	Flash Flood (due to Heavy Rain)
	07/08/10 18:00 CST		0	Source: Trained Spotter
Water was reported two feet deep over 91st Street South between Sheridan Road and Yale Avenue.				
MAYES COUNTY --- 0.6 NNW PENSACOLA [36.46, -95.13], 0.7 NNE PENSACOLA [36.46, -95.12], 0.4 ENE PENSACOLA [36.45, -95.12], 0.3 NW PENSACOLA [36.45, -95.13]				
	07/08/10 16:40 CST		0	Flash Flood (due to Heavy Rain)
	07/08/10 19:30 CST		0	Source: Emergency Manager
Significant flooding of multiple county roads was reported in and around Pensacola.				
TULSA COUNTY --- 1.1 S TULSA [36.13, -95.95], 1.1 S TULSA [36.13, -95.95], 1.2 S TULSA [36.13, -95.95], 1.2 S TULSA [36.13, -95.95]				
	07/08/10 16:40 CST		5K	Flash Flood (due to Heavy Rain)
	07/08/10 18:00 CST		0	Source: NWS Employee
A car stalled in high water at 21st Street South and the Broken Arrow Expressway.				
TULSA COUNTY --- 1.5 SSW DAWSON [36.15, -95.91], 1.5 S DAWSON [36.15, -95.90], 1.6 S DAWSON [36.15, -95.90], 1.6 SSW DAWSON [36.15, -95.91]				
	07/08/10 16:45 CST		20K	Flash Flood (due to Heavy Rain)
	07/08/10 18:00 CST		0	Source: Broadcast Media
Duplexes were flooded at 11th Street South and Sheridan Road.				
TULSA COUNTY --- 2.6 SSW BROKEN ARROW ARPK [36.02, -95.89], 2.5 SSW BROKEN ARROW ARPK [36.02, -95.89], 2.6 SSW BROKEN ARROW ARPK [36.02, -95.89], 2.6 SSW BROKEN ARROW ARPK [36.02, -95.89]				
	07/08/10 16:58 CST		0	Flash Flood (due to Heavy Rain)
	07/08/10 18:00 CST		0	Source: COOP Observer
Fry Ditch Creek was flooded at 101st Street South between Sheridan Road and Memorial Drive.				

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HASKELL COUNTY --- 1.5 WNW KEOTA [35.26, -94.94], 0.9 NNW KEOTA [35.26, -94.93], 0.3 W KEOTA [35.25, -94.93], 1.2 W KEOTA [35.25, -94.94]				
	07/08/10 23:00 CST		0	Flash Flood (due to Heavy Rain)
	07/09/10 01:45 CST		0	Source: Public
Heavy rain flooded rural roads near town.				
Thunderstorms developed along a slow moving cold front that pushed into the region. Thunderstorms moving repeatedly over the same areas resulted in flash flooding across portions of eastern Oklahoma.				
(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z058) OTTAWA, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE				
	07/12/10 13:00 CST	1	0	Excessive Heat
	07/23/10 21:00 CST	28	0	
Direct Fatalities: M93				
A strong subtropical high pressure system developed and remained over the south central United States for a prolonged period during the middle of July. This resulted in an extended period of exceptionally hot weather. Temperatures were above normal with daytime readings reaching the mid 90s to near 100 and overnight temperatures only falling into the mid to upper 70s. Very humid conditions as a result of the excessive rainfall that occurred earlier in the month and subsequent highly saturated soils resulted in afternoon heat index values between 105 and 115 degrees. At least 28 people were treated for heat-related illness in the Tulsa area during this period and a heat-related death occurred in Skiatook on the 22nd.				
OTTAWA COUNTY --- 2.0 W PICHER [36.98, -94.87], 0.5 NW QUAPAW [36.96, -94.79]				
	07/12/10 19:30 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/12/10 19:40 CST		0	Source: Public
Strong thunderstorm wind blew down power poles south of Cardin, blew down trees near Picher, and blew down large limbs near Quapaw.				
OTTAWA COUNTY --- 4.0 W COMMERCE [36.93, -94.94], COMMERCE [36.93, -94.87]				
	07/12/10 19:35 CST		15K	Thunderstorm Wind (EG 61 kt)
	07/12/10 19:40 CST		0	Source: Public
Strong thunderstorm wind blew off the roof of a barn and blew a pole onto house west of town and blew power lines down and damaged a garage door in town.				
OTTAWA COUNTY --- 6.3 WNW NORTH MIAMI [36.96, -94.98], 3.5 ESE HOCKERVILLE [36.98, -94.72], 2.6 NE WYANDOTTE [36.83, -94.70], 3.2 WNW NARCISSA [36.82, -94.98]				
	07/12/10 19:42 CST		0	Flash Flood (due to Heavy Rain)
	07/12/10 23:15 CST		0	Source: Emergency Manager
Highway 69 at the railroad underpass was flooded by two feet of water. Several other roads in the northern portion of the county were also flooded.				
Thunderstorms developed near a stationary front positioned along the Kansas-Oklahoma border into extreme southern Missouri. Some of the storms produced damaging winds and flash flooding across portions of northeast Oklahoma.				
TULSA COUNTY --- 2.5 NW BROKEN ARROW [36.08, -95.81]				
	07/16/10 00:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/16/10 00:40 CST		0	Source: Public
Strong thunderstorm wind snapped a large tree near 58th Street South and Aspen Avenue.				
Thunderstorms produced damaging winds across portions of eastern Oklahoma during the late evening hours on July 15th into the morning of the 16th as a cold front moved into the region.				
OSAGE COUNTY --- BIGHEART [36.85, -96.22]				
	07/16/10 17:36 CST		0	Thunderstorm Wind (EG 52 kt)
	07/16/10 17:36 CST		0	Source: Public
Thunderstorm wind gusts were estimated at 60 mph.				

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OTTAWA COUNTY --- COMMERCE [36.93, -94.87]				
	07/16/10 17:45 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/16/10 17:45 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down several trees and power lines.				
OTTAWA COUNTY --- 3.0 SW WYANDOTTE [36.77, -94.77]				
	07/16/10 18:00 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/16/10 18:00 CST		0	Source: Emergency Manager
Strong thunderstorm wind blew down trees and power lines.				
OTTAWA COUNTY --- 0.8 NW COMMERCE [36.94, -94.88], 0.8 NNE COMMERCE [36.94, -94.86], 0.5 ESE COMMERCE [36.93, -94.86], 0.6 N NORTH MIAMI [36.93, -94.88]				
	07/16/10 18:40 CST		0	Flash Flood (due to Heavy Rain)
	07/16/10 21:15 CST		0	Source: Law Enforcement
Numerous streets were flooded, some of which were impassable.				
CRAIG COUNTY --- 9.4 SE VINITA ARPT [36.53, -95.03]				
	07/16/10 18:48 CST		0	Thunderstorm Wind (EG 52 kt)
	07/16/10 18:48 CST		0	Source: Amateur Radio
Thunderstorm wind gusts were estimated to 60 mph.				
WAGONER COUNTY --- 4.2 NNE BROKEN ARROW [36.10, -95.74]				
	07/16/10 19:50 CST		0	Thunderstorm Wind (EG 56 kt)
	07/16/10 19:50 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down a tree at 41st Street South near 209th East Avenue.				
TULSA COUNTY --- 2.3 S BROKEN ARROW [36.02, -95.78]				
	07/16/10 19:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/16/10 19:55 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down numerous tree limbs near Lynn Lane and 101st Street South.				
WAGONER COUNTY --- 2.3 ESE ONETA [36.00, -95.69]				
	07/16/10 20:20 CST		0	Thunderstorm Wind (EG 61 kt)
	07/16/10 20:20 CST		0	Source: Law Enforcement
Strong thunderstorm wind blew down trees at 111th Street South near Highway 51.				
WAGONER COUNTY --- 5.0 SE PORTER [35.82, -95.46]				
	07/16/10 20:52 CST		0	Thunderstorm Wind (EG 52 kt)
	07/16/10 20:52 CST		0	Source: Public
Strong thunderstorm wind blew down several large tree limbs.				
Thunderstorms developed along an outflow boundary lifting north through the area. Some of these storms produced damaging winds and isolated flooding.				
LATIMER COUNTY --- 6.0 E YANUSH [34.70, -95.21]				
	07/17/10 15:35 CST		0	Thunderstorm Wind (EG 52 kt)
	07/17/10 15:35 CST		0	Source: Public
Strong thunderstorm wind blew down several large tree limbs.				
Isolated thunderstorms developed in the vicinity of an outflow boundary across southeast Oklahoma, resulting in isolated damaging wind gusts.				
(OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z067) WAGONER, (OK-Z070) MUSKOGEE, (OK-Z072) SEQUOYAH				

Storm Data and Unusual Weather Phenomena - July 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/30/10 06:00 CST		0	Excessive Heat
	07/31/10 23:59 CST	11	0	

A strong subtropical high pressure system reestablished itself over the south central United States toward the end of the July. This resulted in an extended period of exceptionally hot weather, which continued into August. Temperatures were above normal with daytime readings reaching the upper 90s to near 102 and overnight temperatures only falling into the mid to upper 70s. Very humid conditions resulted in afternoon heat index values between 105 and 115 degrees. At least eleven people were treated for heat-related illness on the 30th and 31st in the Tulsa area.